

**LAND** Data Set Reference Sheet

February 2006

Physical Properties	Data Center	Selected Data Sets and Data Collections
Land Cover & Land Use Change	ASF DAAC http://www.asf.alaska.edu	<ul style="list-style-type: none"> SAR image data sets JERS-1 SAR Image Mosaics [multiple-CD sets containing composited images of rain forests in 1) the Amazon region, 2) Central American and South American Pantanal regions, 3) Africa, and 4) Southeast Asia] JERS-1 SAR Global Boreal Forest Mapping Project: Boreal North America, Winter 1997-98 and Summer 1998, DVD ROM
	LaRC DAAC http://eosweb.larc.nasa.gov	<ul style="list-style-type: none"> Multi-angle Imaging SpectroRadiometer (MISR) Level 1B2 Terrain Data, Level 2 Surface Parameters, and Level 3 Component Global Land (daily, monthly, quarterly, and yearly) Products Biomass Burning data set
	LP DAAC http://lpdaac.usgs.gov	<ul style="list-style-type: none"> ASTER L1B Registered Radiance at the Sensor MODIS/Terra Land Cover Type Yearly L3 Global .05Deg CMG MODIS/Terra Land Cover Type Yearly Global 1km SIN Grid MODIS/Terra Vegetation Indices 16-Day L3 Global 500m SIN Grid* MODIS/Terra Vegetation Indices 16-Day L3 Global 1km SIN Grid* MODIS/Terra Vegetation Indices Monthly L3 Global 1km SIN Grid* MODIS/Terra Vegetation Indices 16-Day L3 Global 250m SIN Grid* MODIS/Terra Vegetation Cover Conversion 96-Day L3 Global 250m SIN Grid MODIS/Terra Vegetation Continuous Fields Yearly L3 Global 500m ISIN Grid MODIS/Terra Land Cover Dynamics Yearly L3 Global 1km SIN Grid
	ORNL DAAC http://www.daac.ornl.gov	<ul style="list-style-type: none"> BOREAS Data Sets: BOREAS AFM-12 1 km AVHRR Seasonal Land Cover Classification; BOREAS TE-18 Landsat TM Physical Classification Image of the NSA Remote Sensing Data: MODIS Land Cover product (MOD12Q1) subsetted to 7 x 7 km for 280 field sites and presented in ASCII format
Vegetation Dynamics	LaRC DAAC http://eosweb.larc.nasa.gov	<ul style="list-style-type: none"> MISR Level 2 Surface Parameters and Level 3 Component Global Land (daily, monthly, quarterly, and yearly) Products
	LP DAAC http://lpdaac.usgs.gov	<ul style="list-style-type: none"> ASTER L1B Registered Radiance at the Sensor MODIS/Terra Vegetation Indices 16-Day L3 Global 250m SIN Grid* MODIS/Terra Vegetation Indices 16-Day L3 Global 500m SIN Grid* MODIS/Terra Vegetation Indices 16-Day L3 Global 1km SIN Grid* MODIS/Terra Land Cover Dynamics Yearly L3 Global 1km SIN Grid MODIS/Terra Leaf Area Index/FPAR 8-day L4 Global 1km SIN Grid* MODIS/Terra Net Photosynthesis 8-Day L4 Global 1km SIN Grid* MODIS/Terra Net Primary Production Yearly L4 Global 1km SIN Grid MODIS/Terra Vegetation Indices Monthly L3 Global 1km SIN Grid* MODIS/Terra Vegetation Cover Conversion 96-Day L3 Global 250m SIN Grid MODIS/Terra Vegetation Continuous Fields Yearly L3 Global 500m ISIN Grid
	ORNL DAAC http://www.daac.ornl.gov	<ul style="list-style-type: none"> Field Campaign Vegetation Indices and Biology Data Sets: Photosynthesis, Biomass, Leaf Chlorophyll, and Leaf Area Index Remote Sensing Data: MODIS Vegetation Dynamics Products [LAI/fPAR (MOD15A2), EVI (MOD13A2) and NPP (MOD17A2)] subsetted to 7 x 7 km for 280 field sites worldwide and presented in ASCII format Vegetation Collection: Net Primary Productivity Data Sets; Biomass Allocation and Growth Data of Seeded Plants

Vegetation Dynamics <i>Continued</i>	ORNL DAAC <i>Continued</i> http://www.daac.ornl.gov	<ul style="list-style-type: none"> Model Archive: Archive of Biogeochemical Dynamics Models
Surface Temperature	GES DAAC http://daac.gsfc.nasa.gov	<ul style="list-style-type: none"> TOVS Pathfinder Path A Atmospheric and Surface Parameters A Multi-year Global Analysis Employing the Goddard EOS (GEOS) Data Assimilation System Goddard DAAC Climatology Interdisciplinary Data Collection
	LaRC DAAC http://eosweb.larc.nasa.gov	<ul style="list-style-type: none"> Surface Radiation Budget (SRB) data sets (daily and monthly) International Satellite Cloud Climatology Project (ISCCP) D1 and D2 data products Clouds and the Earth's Radiant Energy System (CERES) Clouds and Radiative Swath (CRS), Monthly Gridded Single Satellite Fluxes and Clouds (FSW), Monthly Gridded TOA/Surface Fluxes and Clouds (SFC), Monthly TOA/Surface Averages (SRBAVG), and Single Scanner Footprint TOA/Surface Fluxes and Clouds (SSF) Products [from TRMM, Terra, and Aqua]
	LP DAAC http://lpdaac.usgs.gov	<ul style="list-style-type: none"> ASTER On-Demand Level 2 Surface Kinetic Temperature MODIS/Terra Land Surface Temperature/Emissivity Daily L3 Global 1km SIN Grid* MODIS/Terra Land Surface Temperature/Emissivity 8-Day L3 Global 1km SIN Grid* MODIS/Terra Land Surface Temperature/Emissivity Daily L3 Global 5km SIN Grid* MODIS/Terra Land Surface Temperature/Emissivity Daily 5-min L2 Swath 1km* MODIS/Terra Land Surface Temperature/Emissivity Daily L3 Global 0.05Deg CMG* MODIS/Terra Land Surface Temperature/Emissivity 8-Day L3 Global 0.05Deg CMG* MODIS/Terra Land Surface Temperature/Emissivity Monthly L3 Global 0.05Deg CMG*
	NSIDC DAAC http://nsidc.org/daac	<ul style="list-style-type: none"> AVHRR Polar Pathfinder Twice-Daily 1.25 km, 5 km, and 25 km EASE-Grid Composites [Polar Regions] AMSR-E/Aqua Daily L3 Surface Soil Moisture, Interpretive Parameters, & QC EASE-Grids AMSR-E/Aqua L2B Surface Soil Moisture, Ancillary Parameters, & QC EASE-Grids
	ORNL DAAC http://www.daac.ornl.gov	<ul style="list-style-type: none"> BOREAS Data Set: BOREAS TE-11 Surface Meteorological Data SAFARI 2000 TOVS Surface and Atmospheric Data Remote Sensing Data Set: MODIS Land Surface Temp (MOD11A2) subsetted to 7 x 7 km for 280 sites worldwide and presented in ASCII format Climate Collection Data Set: Global Monthly Climatology for the Twentieth Century (New et al.)
Surface Topography <i>Elevation, slope, DEMs</i>	ASF DAAC http://www.asf.alaska.edu	<ul style="list-style-type: none"> SAR image data sets The Ends of the Earth CD with Antarctic and Alaska image mosaics
	LP DAAC http://lpdaac.usgs.gov	<ul style="list-style-type: none"> ASTER Digital Elevation Model
	NSIDC DAAC http://nsidc.org/daac	<ul style="list-style-type: none"> Radarsat Antarctic Mapping Project Digital Elevation Model Version 2 RAMP AMM-1 SAR Image Mosaic of Antarctica GLAS/ICESat L2 Global Land Surface Altimetry Data GLAS/ICESat L1B Global Backscatter Data GLAS/ICESat L1B Global Elevation Data GLAS/ICESat L1B Global Waveform-based Range Corrections Data Greenland 5 km DEM, Ice Thickness, and Bedrock Elevation Grids
Soils	NSIDC DAAC http://nsidc.org/daac	<ul style="list-style-type: none"> Soil Moisture Experiment (SMEX) and Cold Climate Processes Experiment (CLPX) Data AMSR-E/Aqua Daily L3 Surface Soil Moisture, Interpretive Parameters, & QC EASE-Grids AMSR-E/Aqua L2B Surface Soil Moisture, Ancillary Parameters, & QC EASE-Grids
	ORNL DAAC http://www.daac.ornl.gov	<ul style="list-style-type: none"> Soil Collection Data Sets: Global Gridded Surfaces of Selected Soil Characteristics (IGBP-DIS); Global Data Set of Derived Soil Properties, 0.5-Degree Grid (ISRIC-WISE)
Fire Occurrence <i>Extent, thermal anomalies</i>	GES DAAC http://daac.gsfc.nasa.gov	<ul style="list-style-type: none"> TRMM/TSDIS Fire Products (Daily Hot Spot Image and Monthly Composite Map of Fire Counts)
	LP DAAC http://lpdaac.usgs.gov	<ul style="list-style-type: none"> MODIS/Terra Thermal Anomalies/Fire 5-min L2 Swath 1 km* MODIS/Terra Thermal Anomalies/Fire Daily L3 Global 1 km SIN Grid* MODIS/Terra Thermal Anomalies/Fire 8-day L3 Global 1 km SIN Grid*

Fire Occurrence <i>Continued</i>	LP DAAC <i>Continued</i> http://lpdaac.usgs.gov	<ul style="list-style-type: none"> ASTER On-Demand Level 2 Surface Kinetic Temperature ASTER On-Demand Level 2 Brightness Temperature at the Sensor ASTER On-Demand L2 Surface Emissivity ASTER On-Demand Level 2 Decorrelation Stretch TIR ASTER On-Demand Level 2 Surface Radiance TIR
	ORNL DAAC http://www.daac.ornl.gov	<ul style="list-style-type: none"> SAFARI 2000 Data Sets: ASTER and MODIS Fire Data Comparison; Emissions and MODIS Burned Areas
Volcanic Effects <i>Frequency of occurrence, thermal anomalies, impact</i>	LaRC DAAC http://eosweb.larc.nasa.gov	<ul style="list-style-type: none"> MISR Level 2 Aerosol Parameters, Level 2 TOA/Cloud Stereo Parameters, and Level 3 Component Global Aerosol Daily Product Stratospheric Aerosol and Gas Experiment (SAGE) II data set SAGE III Level 2 Solar Event Species Profiles
	LP DAAC http://lpdaac.usgs.gov	<ul style="list-style-type: none"> ASTER On-Demand Level 2 Surface Kinetic Temperature ASTER On-Demand Level 2 Decorrelation Stretch TIR ASTER On-Demand Level 2 Brightness Temperature at the Sensor ASTER On-Demand L2 Surface Emissivity ASTER On-Demand Level 2 Surface Radiance TIR MODIS/Terra Thermal Anomalies/Fire 5-Min L2 Swath 1km* MODIS/Terra Thermal Anomalies/Fire Daily L3 Global 1km SIN Grid* MODIS/Terra Thermal Anomalies/Fire 8-Day L3 Global 1km SIN Grid* MODIS/Terra Land Cover Type 96-Day L3 Global 1km SIN Grid MODIS/Terra Vegetation Indices 16-Day L3 Global 250m SIN Grid* MODIS/Terra Vegetation Indices 16-Day L3 Global 500m SIN Grid* MODIS/Terra Vegetation Indices 16-Day L3 Global 1km SIN Grid*
Surface Wetness <i>Soil Moisture</i>	GES DAAC http://daac.gsfc.nasa.gov	<ul style="list-style-type: none"> A Multi-year Global Analysis Employing the Goddard EOS (GEOS) Data Assimilation System Four-dimensional Assimilated Dataset for the TOGA COARE Intensive Observing Period (IOP)
	NSIDC DAAC http://nsidc.org/daac	<ul style="list-style-type: none"> AMSR-E/Aqua Daily L3 Surface Soil Moisture, Interpretive Parameters, & QC EASE-Grids AMSR-E/Aqua L2B Surface Soil Moisture, Ancillary Parameters, & QC EASE-Grids SMEX02 Soil Moisture Validation Data Sets
	ORNL DAAC http://www.daac.ornl.gov	<ul style="list-style-type: none"> BOREAS Data Set: BOREAS HYD-06 Ground Gravimetric Soil Moisture FIFE Data Set: Soil Moisture Gravimetric Data
Gravity	PO.DAAC http://podaac.jpl.nasa.gov	<ul style="list-style-type: none"> GRACE Level 2 Monthly Gravity Field Estimates

ASF DAAC Alaska Satellite Facility DAAC
GES DAAC Goddard Space Flight Center (GSFC) Earth Sciences DAAC
LaRC DAAC Langley Research Center DAAC
LP DAAC Land Processes DAAC
NSIDC DAAC National Snow and Ice Data Center DAAC
ORNL DAAC Oak Ridge National Laboratory DAAC
PO.DAAC Physical Oceanography DAAC